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Date: March 07, 2012

Subject: Organic Data Validation (M3 Level)
Case: R33917
Project: 480-16217-1
Site: Dimock

From:

Ex. 4 - CBI

To: Colleen Walling
ESAT Region 3 Project Officer

OVERVIEW

Third party Case R33917, Project 480-16217-1, consisted of thirteen (13) aqueous samples including two (2) field blanks analyzed for ethylene glycol. Samples were analyzed by TestAmerica Buffalo (TAL BUF) according to Test Methods for Evaluating Solid Waste SW-846 Method 8015B.

SUMMARY

Data were validated according to Region 3 Modifications to the National Functional Guidelines for Organic Data Review, Level M3 and is assigned the Superfund Data Validation Label S4VM (Stage_4_Validation_Manual). Areas of concern with respect to data usability are listed below.

MINOR PROBLEM

- The laboratory employed a four (4) point calibration curve for the analysis of the compounds requested; however, Method 8015B specifies the use of a five (5) point curve. No action was taken by the reviewer based on this deviation from the method.

NOTES

- Ethylene glycol failed precision criteria [Percent Difference (%D)] in a continuing calibration. No positive results were reported for this compound. Quantitation limits for this compound were not impacted since the %D did not exceed the 50% criteria.
- Reported recoveries and Relative Percent Differences (RPDs) in Laboratory Control Sample

(LCS) analysis and Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of sample HW57 were within control limits.

- The calibration factors calculated by the reviewer were slightly different than those calculated by the laboratory. Differences in calibration factors were due to rounding by the laboratory.
- No positive results were reported for the samples in this sample set; therefore, no confirmation analyses were required.

ATTACHMENTS

Appendix A – Glossary of Data Qualifier Codes

Appendix B – Data Summary Form(s)

Appendix C – Chain of Custody Records

Appendix D – Laboratory Case Narrative

DCN: R33917_480-16217-1